

### Abstract

The invention relates to a transponder that is mounted on a tire. The transponder includes at least one transponder chip and a transponder antenna and is embedded in a substrate which is  
5 connected to an inner side of the tire with the aid of an element. The aim of the invention is to provide a transponder with the highest possible durability. To achieve this, the connecting element is a material strip which is only fixed to the inner side of the tire in one sub-section.